

PHENIX WEEKLY PLANNING

3/6/2008 Don Lynch



Run 8 Task Schedule

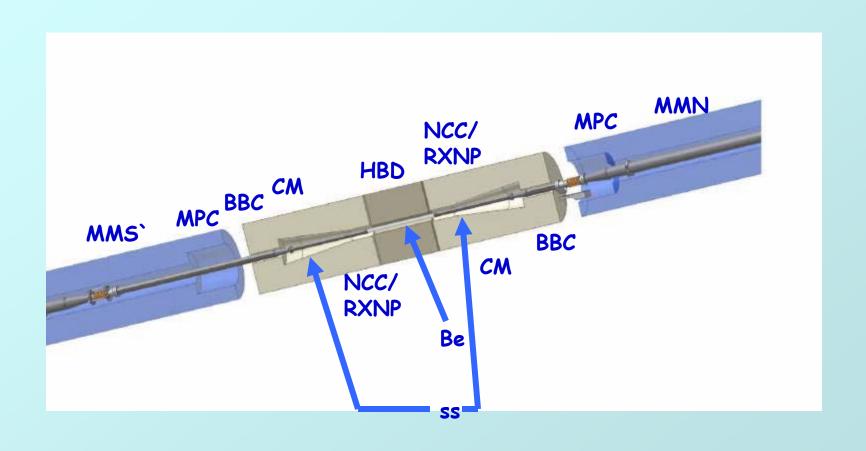
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Item	Start	Finish	
RPC support	On Going	On Going	
CM Crane design review	On Going	On Going	
Next scheduled Maint. Day?	None	None7	
Mu Trigger FEE Prototype tests	Done	Done	
Complete new beampipe design	Done	Done	
End PP run	3/10	3/10	
Low energy Run	3/11	3/12	
End of Run 8	3/12	3/12	
Shutdown '09 starts	3/12	3/12	
Install new UPS	3/15	3/31	
Install Gas house UPS's	4/15	6/13	
End of Run Party	6/30	6/30	

Design Reviews

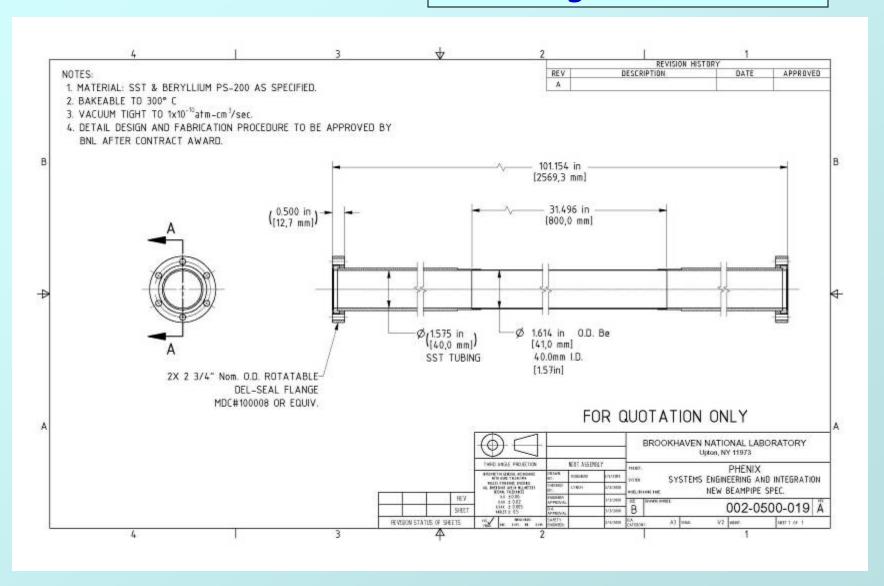
- CM Crane (analyses complete need meeting with) (Set up review tomorrow)
- MMN Scaffolding (design submitted to C-A for review) •
- New Beampipe Review (ready for review, drawings sent to vendor for quote)
- Station 1 Scaffolding (DESIGN IN PROCESS)
- Mu Trigger FEE N & S 3/19 (Need to secure date)
- RPC Prototype 3/25 (Prototype design, installation, gas system, electronics, safety) (Need to secure date)
- MuTrigger N & S rack platform 4/21-5/2 (On deck for design)
- RPC Stations 1, 2 and 3 ~ 6/22-6/20
- VTX/FVTX review ~ 6/1-8/31
- NCC Review ~ 6/1-8/31
- MMS scaffolding (< 2009)

New Beampipe Design & Review



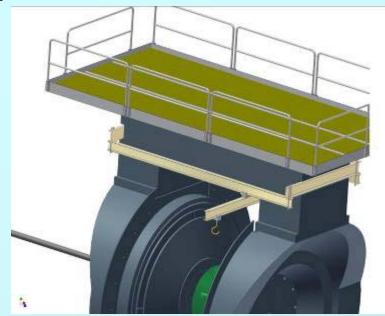


New Beampipe Design & Review



PHENIX

CM Crane



- Uses Gorbel 1-ton capacity Ceiling mounted Bridge Crane, modified to be supported by 2 Steel Channels attached to CM
- Bridge and hoist to be removed for running.
- · Crane Design under review

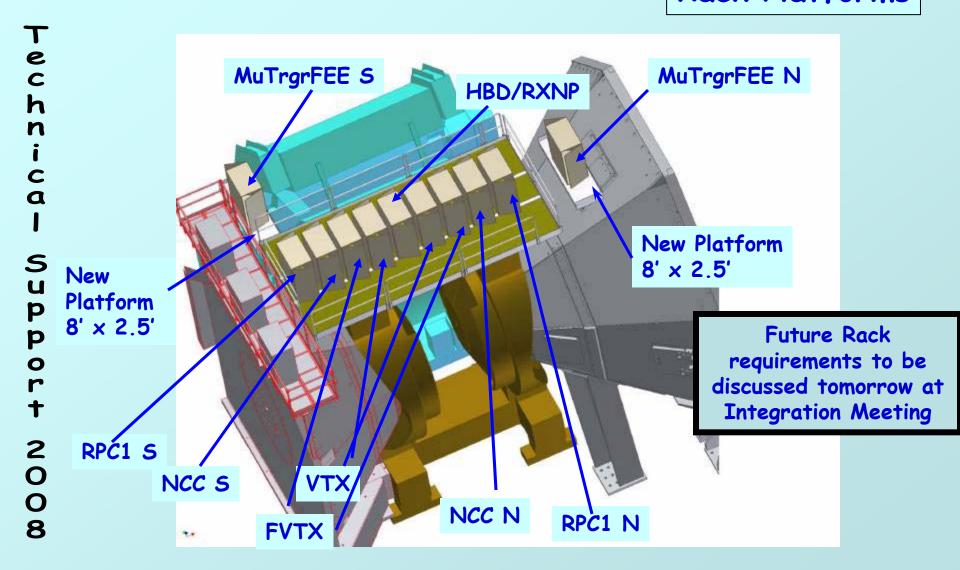
Received questions and comments from Steve Kane & John Hynan.

Will set up review by end of this week.

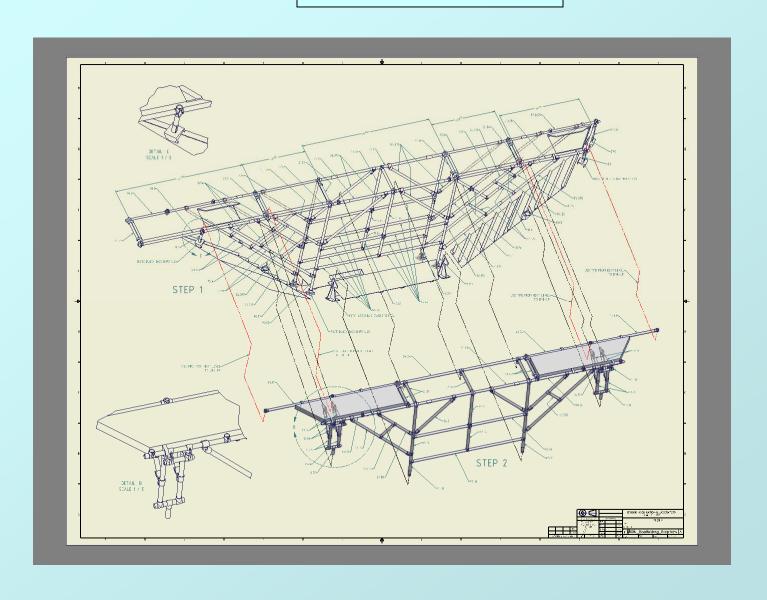


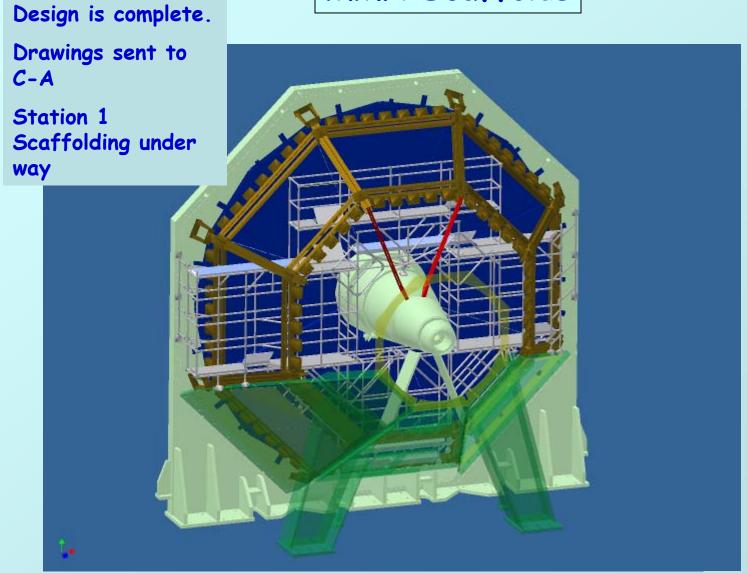


Muon Trigger Rack Platforms



MMN Scaffolds







MMN Cable Management

Mu Trigger FEE Cable Management:

116 12AWG LV cables for North + fibers

100 12AWG LV Cables for South + fibers

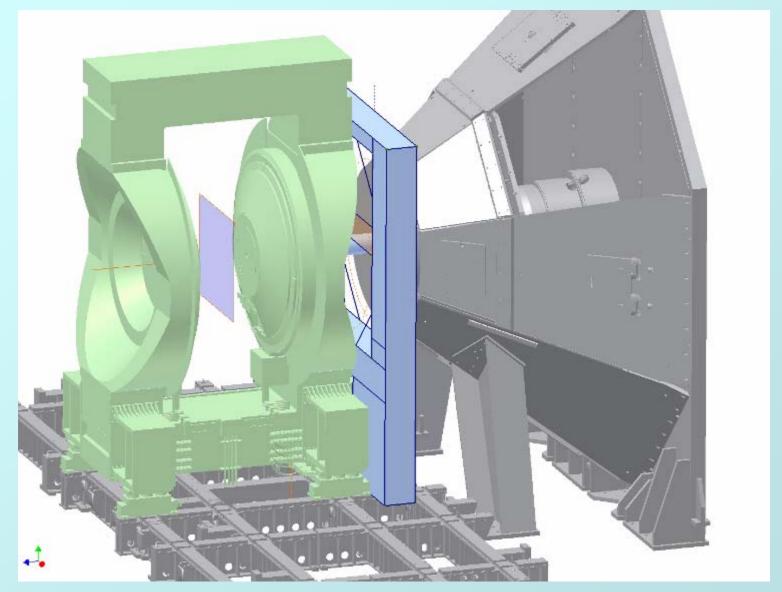
Need power and water to racks

Need to consider RPC2 N installation





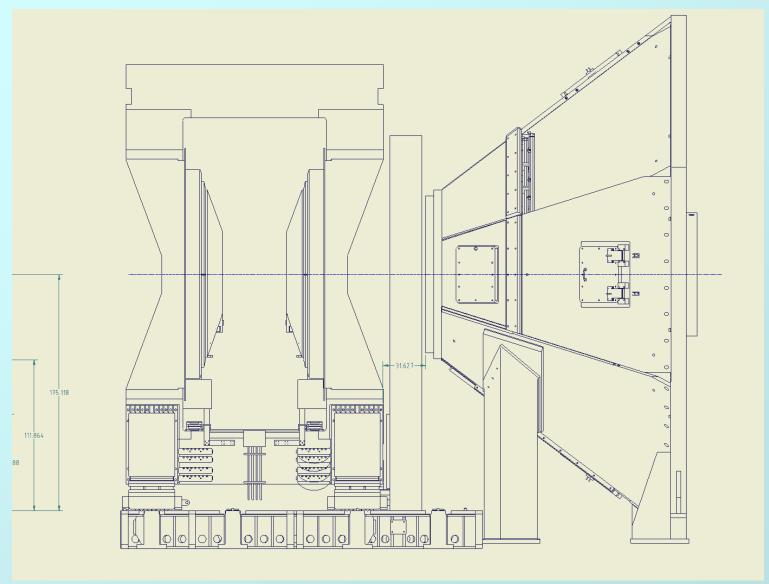
Technical Support 2008







Technica Support 2008





MuTr North, Station-2, Octant-7



Chassis mount looks good!
We will produce chassis based on this design.



Shutdown '08 Schedule

_	CM Crane Review	Feb-Mar 15
T e	New Beam Pipe Design	Feb
c	Complete Run 8	Mar 12
h	MuTrigger Prototype Tests	Feb 27-March 15
n i	Purge Flammable Gas	Mar 12-14
C	Remove lock-out & open shield wall	Mar 14
a	RPC Prototype C tests (in tent)	Feb- Mar
ı	Disassemble & store shield wall & base	Mar 17-21
S	Beam pipe design review	mid Mar
u	Mu Trigger Review	Mar 19
P	RPC Prototype engineeing & safety review	Mar 24
P o	IR Crane certification	Mar 14
r	Remove Collars	Mar 17-18
+	Disconnect EC & move to AH	Mar 17-April 4
2	Inventory/test assembly of MMN scaffold	Apr
0	Install CM access stairs	Apr 7-11
0 8	RPC Prototype D tests (in tent)	Apr-May



Shutdown '08 Schedule, cont'd

T	Design RPC installation fixtures &	
e C	FEE platforms	Apr-May
h	MuTrgr Platform review	mid Apr
n	Move MMS South (MuTr Decaps?)	Apr 15 (tax day)
i	DC/PC west work?	Apr 1-30
c a	Install CM Crane	May
u I	Remove North access & MMN 4 lampshades	May
_	Move CM south	May 1
S	Install Station 1 North scaffolding	May 1
P	Station 1 North decaps	May
þ	Prep work for Mutrgr platforms (water/elec)	May-June
0	Prep work for RPC proptotype install	May-June
r t	End of run Party	May 30
	Erect MMN scaffolding	June
2	MMN decaps	June-July
0	RPC engineering & safety review	mid June
8	MuTrigger FEE N Install	July
	HBD Install	July-August



Technical

Support 2008

Shutdown '08 Schedule, cont'd

RPC prototype gas system	July
Move shielding for RPC prototype installation	July
RPC prototype cable routing & support	July
Modify crystal palace & vapor barrier	July
Install MuTrigger FEE N platform	July
RPC prototype install	August
Install RPC prototype rack in tunnel south	August
Install Mutrigger FEE's in MMS for RPC test	August
Install MuTrigger FEE South platform	August
Install MuTrgr N&S rack cooling & electric	August
Install MuTrigger N cooling water & air	August
Replace tunnel shielding	Sept
Connect electronics/gas/water/air for RPC	Sept.
Install MuTrigger N& S racks	Sept.
Remove all installation equipment	Oct.
Prep for run 9	Oct
Close shield wall start shifts	Nov
Start physics	Dec.





Other Work

- VTX, FVTX and NCC prototype support
 - · Integration
 - · Physical and Rack space
 - · Infrastructure upgrades
 - New Counting House Door
 - VTX Prototype for run 8 ?



Safety, Security, Etc.:

Training:

JTA's: everyone up to date (except Carter CPR needs to get credited)

Req'd: pretty good shape. Nothing critical lacking. Rad worker 2 can hold off until later. Maybe we can get the RPC tunnel areas de-posted

Expiring this month: Jimmy& Frank: Haz Com

Me: Phenix awareness

Coming Soon: BNL approves Flex time and telecomuting



5 Year Plan

Technic	2008	Install stations 1& 2 of MuTr FEE upgrades (north), 1 octant Cu absorber (S), 1 half otants each RPC2/3 S, MMN sta. 2 scaffolding, MuTr Sta 1 N&S scaffolding, 1 octant of MuTrigger FEE upgrades (south, sta 1 & 2), MuTr N stn. 1 & 3 decaps, MuTrigger rack platforms (N&S), CM crane, remove/replace beampipe, infrastructure upgrades & repairs, misc. subsystem work, 1 RPC rack in South tunnel, MuTrgr FEE N & S racks
a I Su	2009	Remove HBD & RXNP, scaffolding in MMS, MuTr S stn. 1 & 3 decaps, RPC2 N, RPC3 N, north Cu absorbers, partial VTX, iFVTX, MuTrgr S sta 1 & 2, MuTrgr S rack, 2 racks in N tunnel, infrastructure upgrades & repairs, misc. subsystem work
P P o	2010	Remainder of VTX barrel, partial FVTX, south Cu absorber completed, MuTrgr FEE stn. 3 S, any remaining MuTr decaps, infrastructure upgrades & repairs, misc. subsystem work
r t	2011	RPC1 N&S, NCC N, remainder of FVTX, DC West upgrade/repair, remove absorbers, infrastructure upgrades & repairs, misc. subsystem work
2 0 0	2012	NCC 5, upgrades contingency & wishlist, infrastructure upgrades & repairs, misc. subsystem work, TBD new and improved upgrades
8	* Years	refer to the shutdown year and follow the run with the similar number

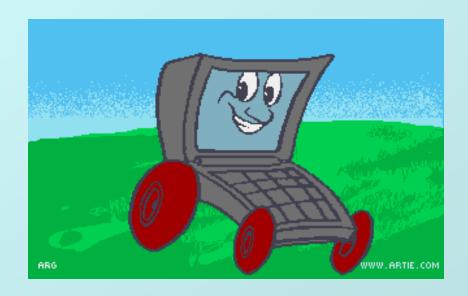
(i.e. work in 2008 is to be done in the shutdown that follows run 8, and so on)



Where To Find PHENIX Technical Info

We've reached the end of run 8

The Shutdown starts next week and we have lot's of work to do.



Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm